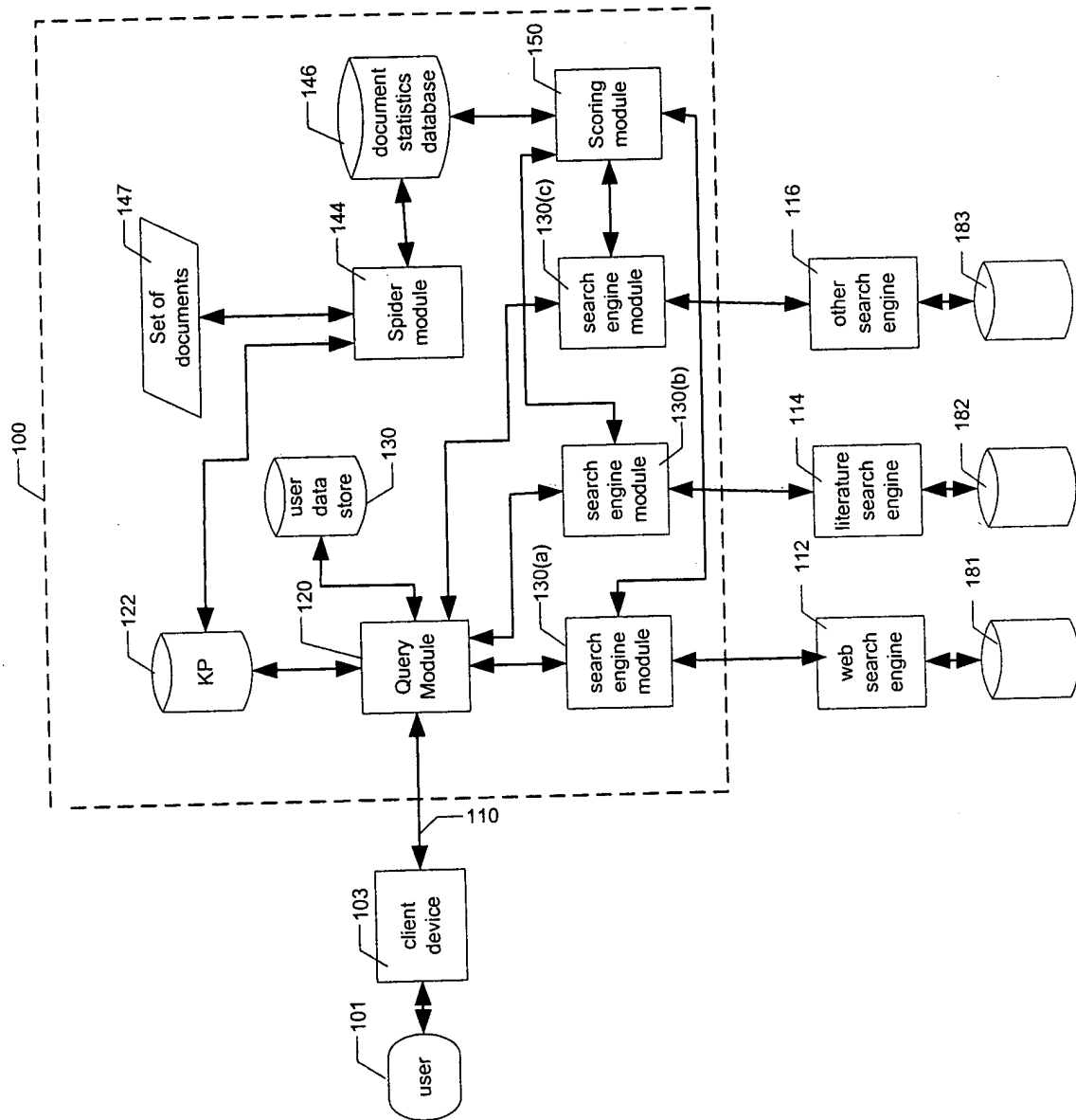


FIG. 1



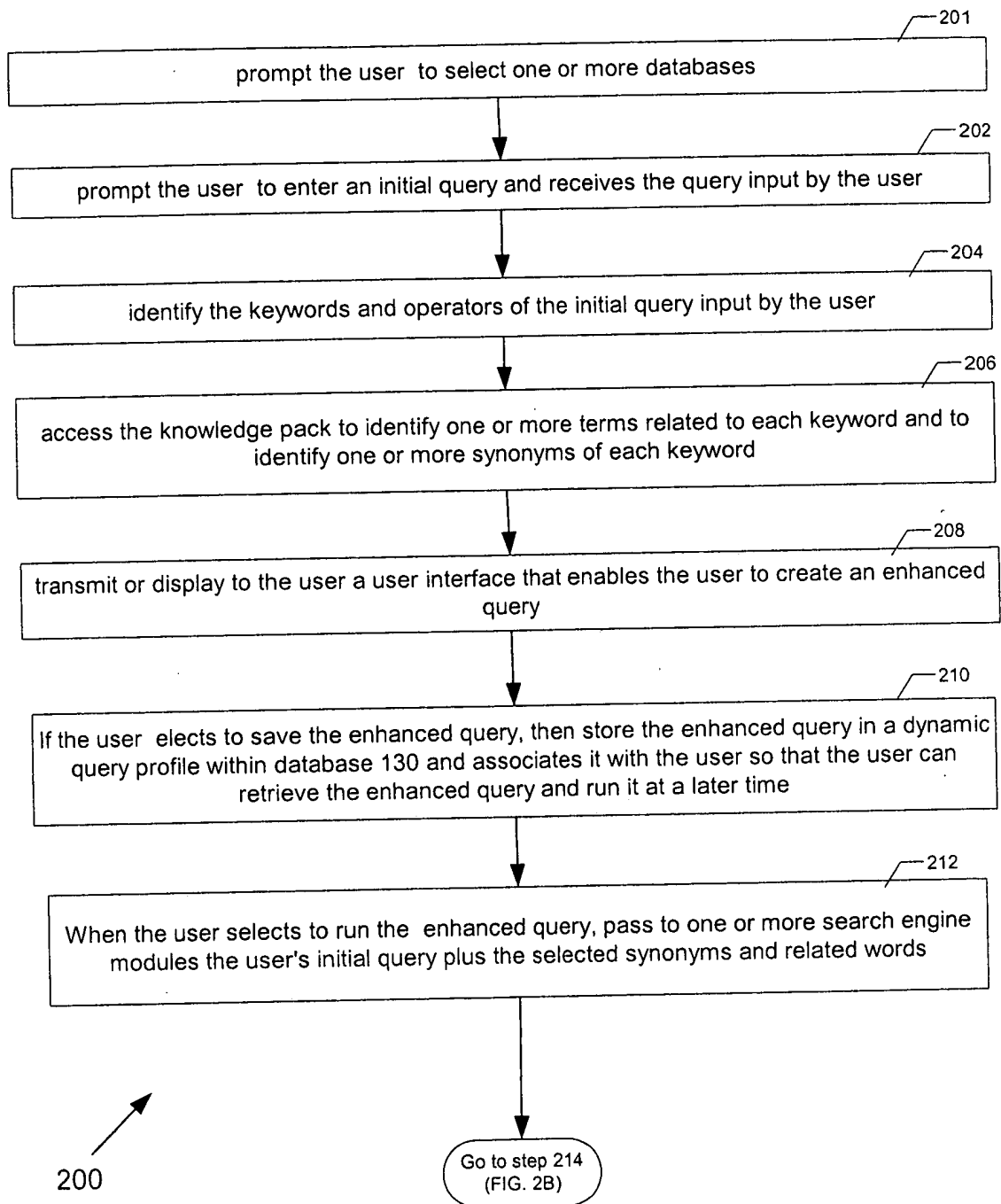
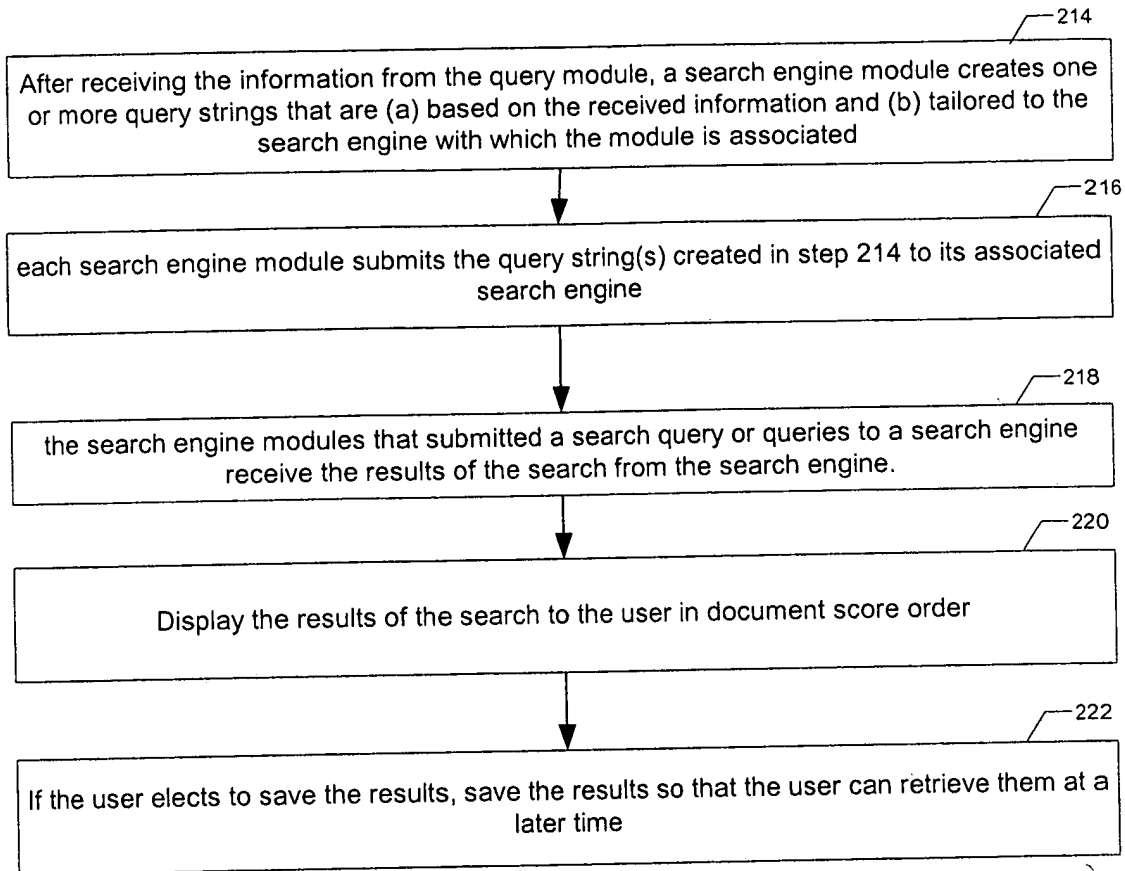


FIG. 2A



300

Enter Query:

Keyword 1 AND Keyword 2

332

Select One or More Databases:

☐ World-Wide-Web

☐ Literature Database

Other Databases

☐ Patent Database

☐ Sequence Database

☐ Taxonomy Database

☐ Clinical Trial Database

☐ Structure Database

☐ Metabolic Pathway Database

☐ Signal Transduction Database

Search

334

FIG. 3

400

1st Keyword: Key 1 weight

Synonyms: syn 1 weight

syn 2 weight

syn Y weight

Related
Terms: term 1 weight

term 2 weight

term N weight

2nd Keyword: Key 2 weight

Synonyms: syn 1 weight

syn 2 weight

syn Y weight

Related
Terms: term 1 weight

term 2 weight

term N weight

Run Query

Save & Run
Query

FIG. 4

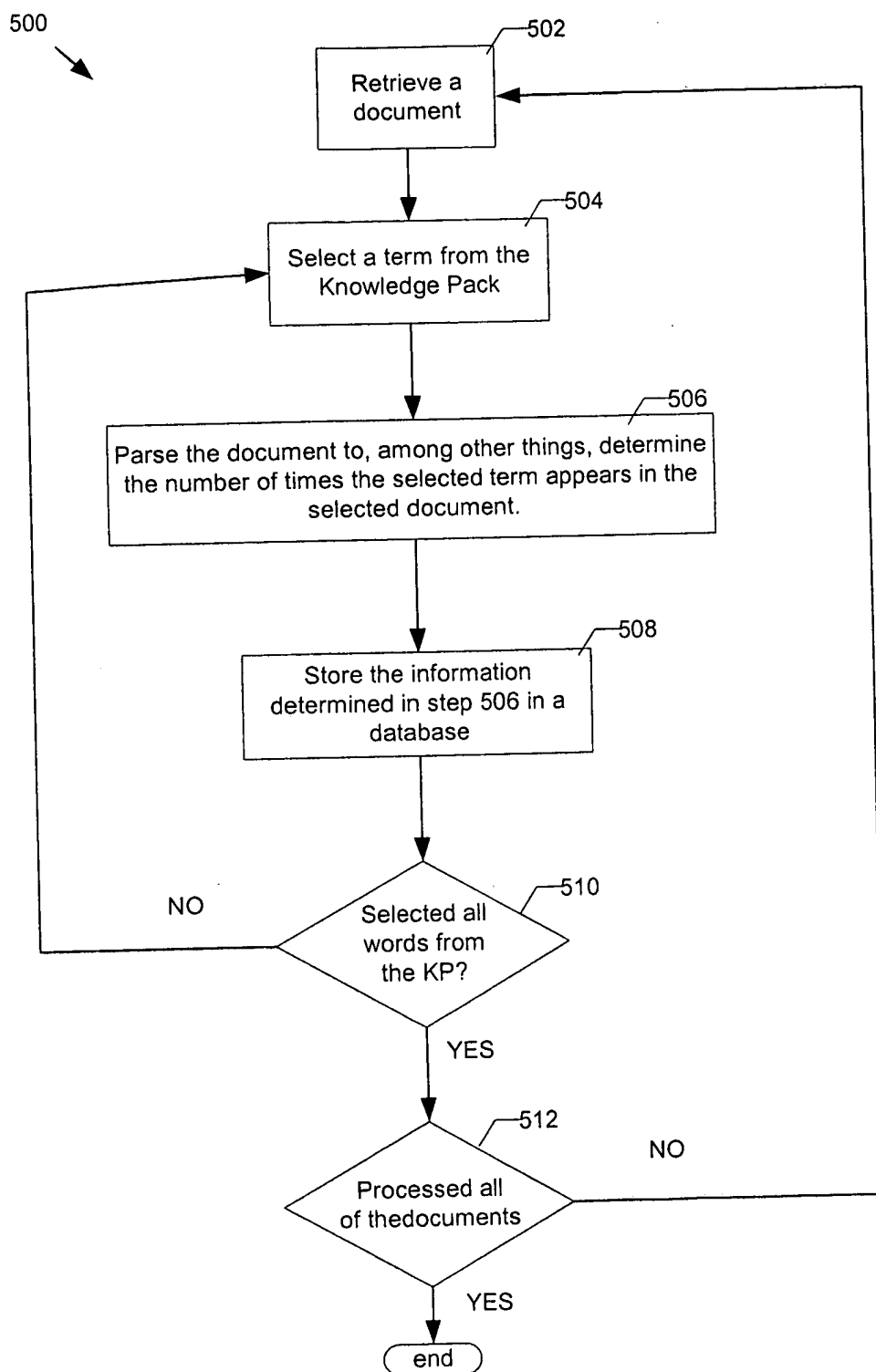


FIG. 5

600

Doc ID	KP Term	In Title?	In Figure Legend?	Abstract Frequency	Main Body Frequency
Doc #1	Term 1	Yes	No	0	7
Doc #1	Term 12	No	Yes	0	2
Doc #1	Term 23	No	Yes	0	2
Doc #1	Term 44	No	No	3	15
Doc #1	Term 100	No	No	2	13
Doc #2	Term 10	No	No	1	34
...					
Doc #N	Term 12834	No	No	2	12

FIG. 6

700 ↘

		Number of Keywords in the Abstract			
		<3	2> <5	4> <10	>9
Number of Related Words in the Abstract	M1				
	<4	0.2	0.3	2.0	2.5
	3> <7	2.5	2.6	4.7	5.2
	6> <11	5.0	5.0	9.7	10.3
	>10	10.0	12.0	13.0	15.0

702 ↘

		Number of Keywords in the Document			
		<15	14> <25	24> <51	>50
Number of Related Words in the Document	M2				
	<17	0.2	0.3	1.0	3.5
	16> <30	2.5	2.6	3.7	6.2
	29> <60	5.0	5.0	6.7	13.3
	>59	10.0	12.0	11.0	17.0

FIG. 7

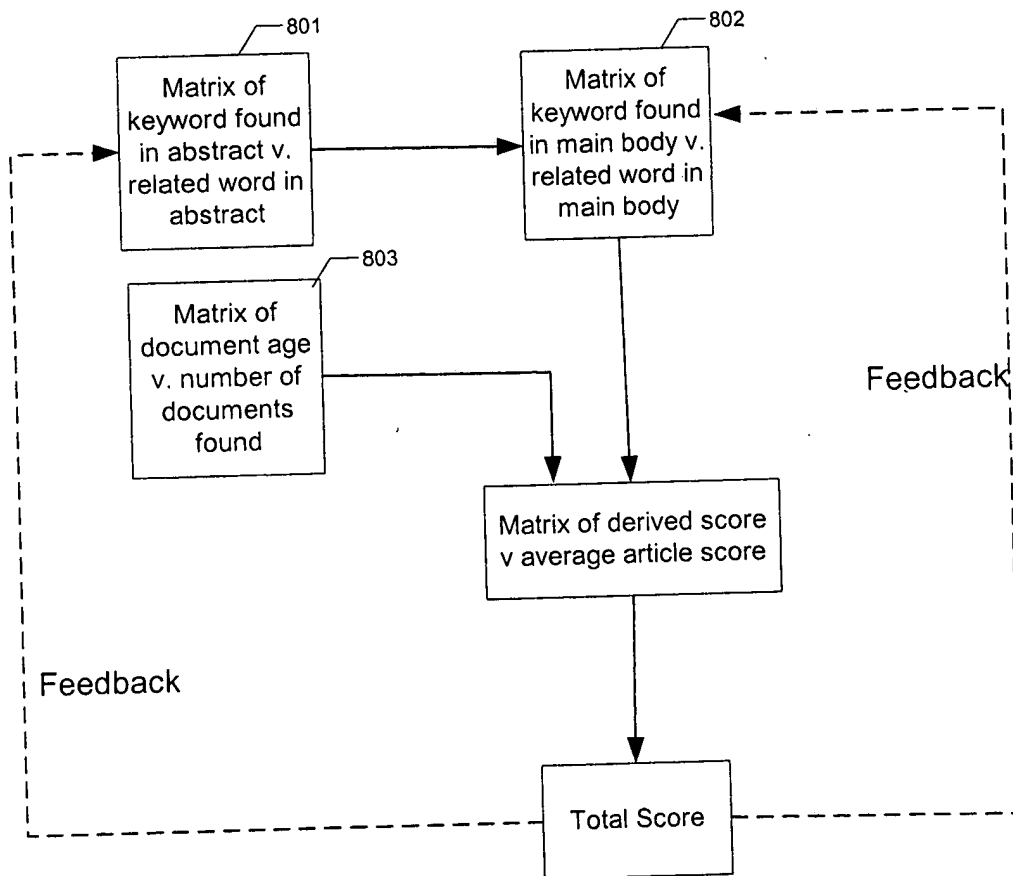


FIG. 8

Document ID: Doc #1
 Title: Document title
 Score: 24
 Document Date: 31 Oct. 2002
 Total words: 6942
 Abstract Frequency: HIV(3), AIDS(5)
 Main Body Frequency: HIV(34), AIDS(45)
 Legend: HIV, AIDS
 Other scientific terms: RT(57), 3TC(44), Resistance(43), M184I(35),
 Complex(32) ...

Document ID: Doc #312
 Title: Document title
 Score: 22
 Document Date: 01 Nov. 1967
 Total words: 7364
 Abstract Frequency: HIV(1), AIDS(1)
 Main Body Frequency: HIV(23), AIDS(34)
 Legend: HIV
 Other scientific terms: RT(57), 3TC(44), Resistance(43), Model(25),
 Inhibitor(21) ...

Document ID: Doc #121
 Title: Document title
 Score: 19
 Document Date: 13 May 1999
 Total words: 324
 Abstract Frequency: HIV(2), AIDS(1)
 Main Body Frequency: HIV(14), AIDS(8)
 Legend: AIDS
 Other scientific terms: CDNA(100), NNRTI(35), Structure(29), Crystal(14) ...

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 •
 •

FIG. 9

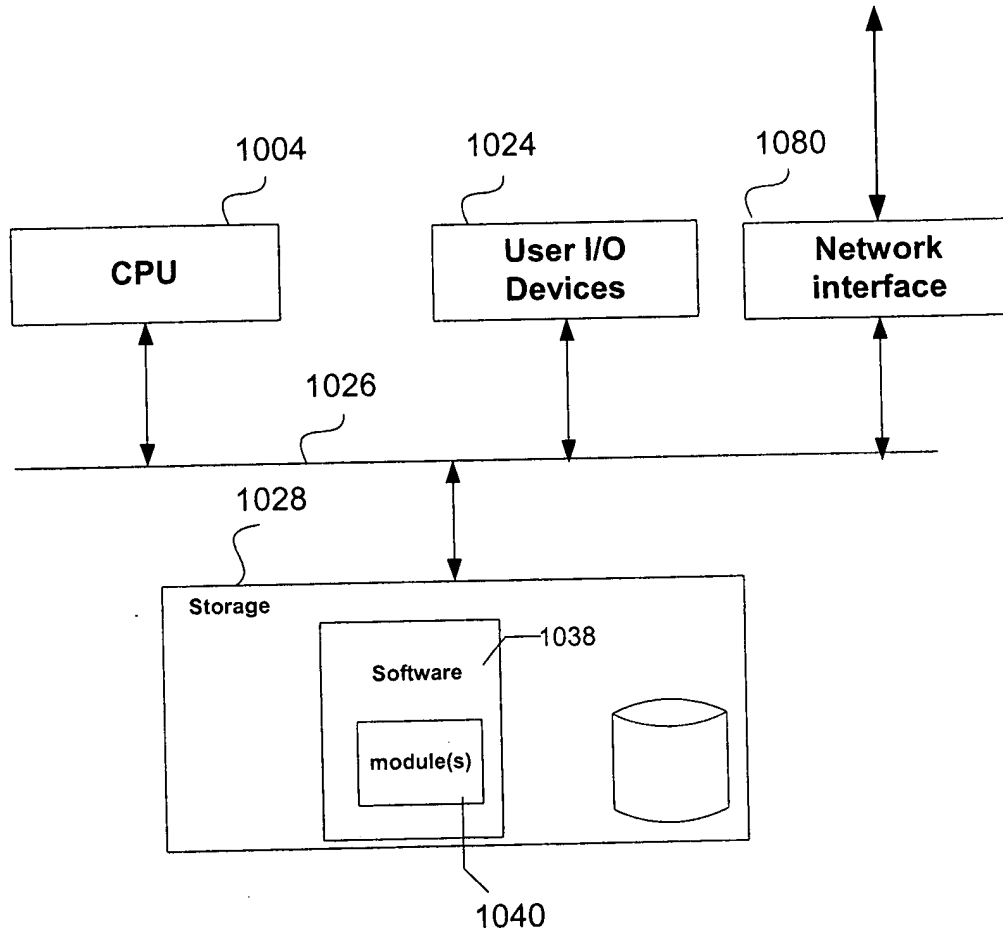


FIG. 10